

OWNER'S MANUAL of ASR501
MATRIX 428



This module is designed for stage use and managing complex patches. Its main purpose is to eliminate the need for physically rearranging patch cables. With the help of snapshot functions, it can dynamically reroute connections within a single patch.

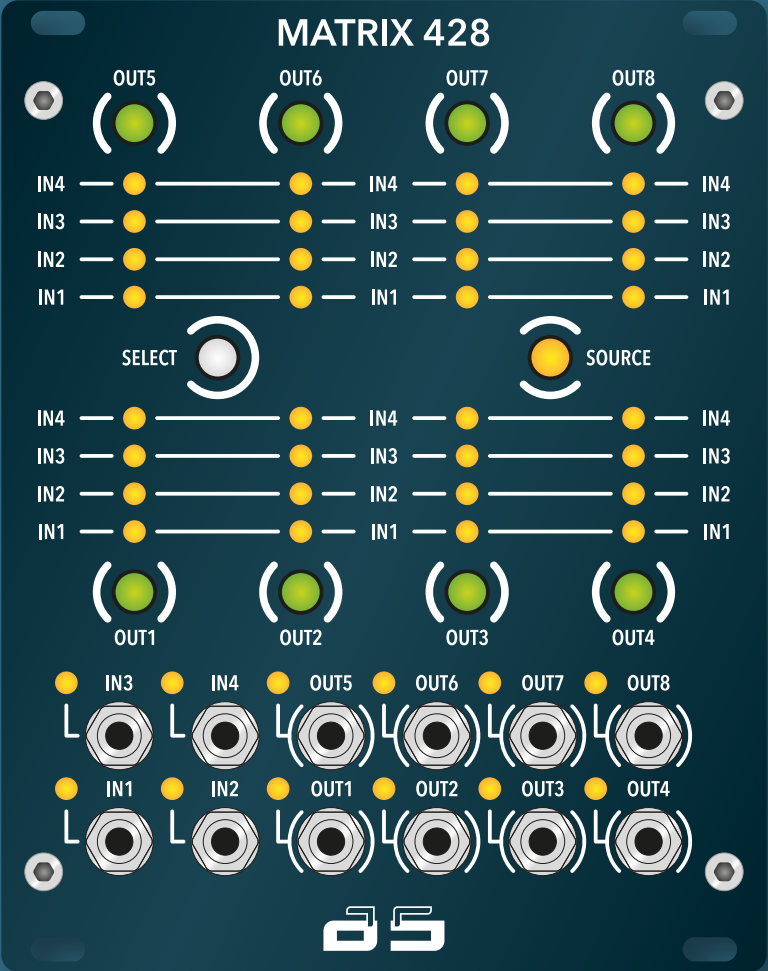
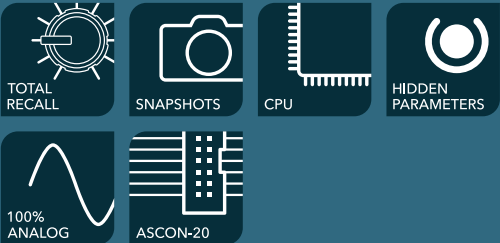
The MATRIX 428 features four inputs and eight outputs, all capable of routing audio, CV, and digital signals.

Each output is equipped with a **SOURCE** button, allowing you to assign any of the available inputs to that output. Additionally, each output can be individually enabled or disabled. This means there's no need to replug cables when switching between different patches or modifying routing within a single patch.

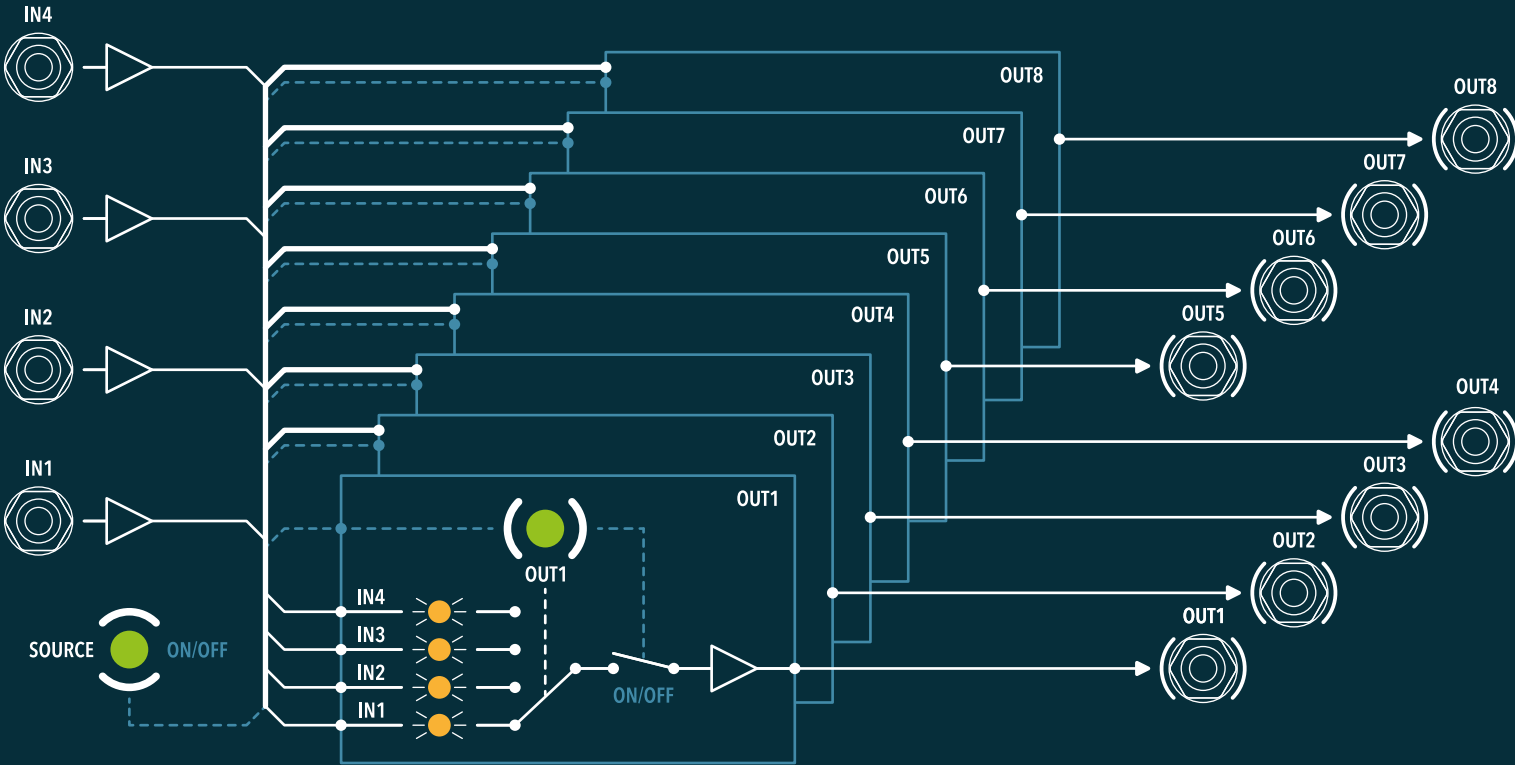
What truly sets the MATRIX 428 apart is its snapshot functionality: it allows you to change cable routing within a saved patch – as if you were physically unplugging a cable and reconnecting it elsewhere – all in a fraction of a second, fully automatically.

All inputs and outputs on the MATRIX 428 support signal levels up to $\pm 10\text{ V}$ (20 Vpp), making it compatible with most Eurorack modulation and audio signals.

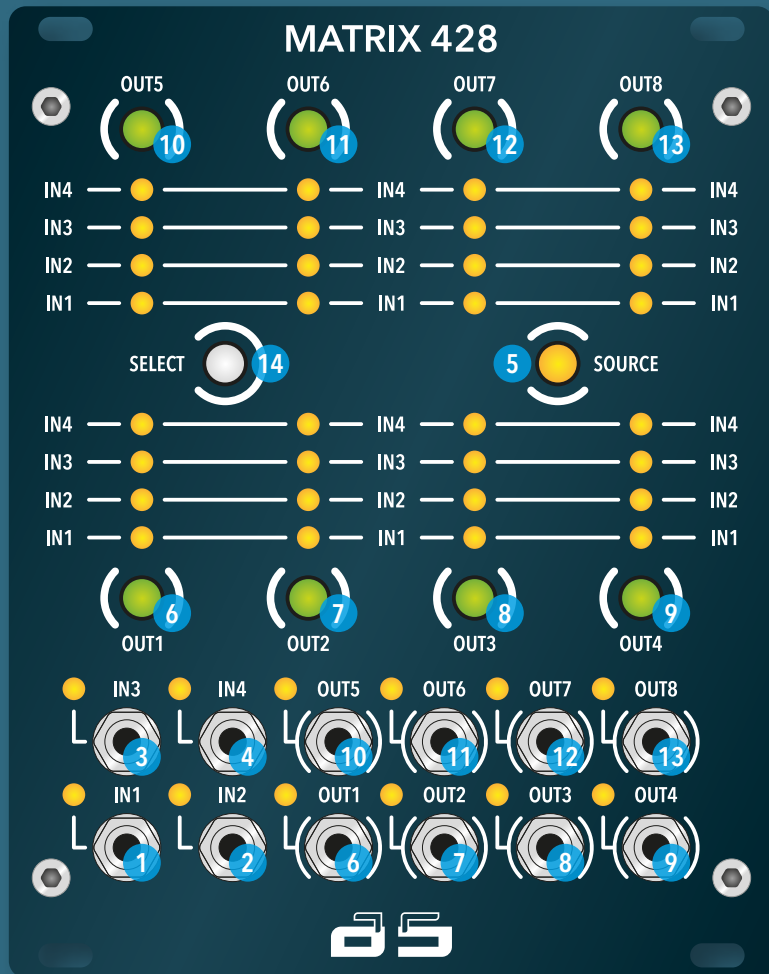
Features:



BLOCK DIAGRAM of ASR501
MATRIX 428



FRONT PANEL of ASR501 MATRIX 428



1. Input 1 (-10V to +10V)
2. Input 2 (-10V to +10V)
3. Input 3 (-10V to +10V)
4. Input 3 (-10V to +10V)
5. SOURCE or ON/OFF Mode Selector
6. Output 1 Source Selector (or On/Off), Routing Indicator & Output 1
7. Output 2 Source Selector (or On/Off), Routing Indicator & Output 2
8. Output 3 Source Selector (or On/Off), Routing Indicator & Output 3
9. Output 4 Source Selector (or On/Off), Routing Indicator & Output 4
10. Output 5 Source Selector (or On/Off), Routing Indicator & Output 5
11. Output 6 Source Selector (or On/Off), Routing Indicator & Output 6
12. Output 7 Source Selector (or On/Off), Routing Indicator & Output 7
13. Output 8 Source Selector (or On/Off), Routing Indicator & Output 8
14. Select This Module (Access to Hidden Parameters)

In SOURCE selector mode when the SOURCE button lit, the OUT1 to OUT8 buttons function as source selectors.

In ON/OFF mode when the SOURCE button is not lit, the OUT1 to OUT8 buttons function as ON/OFF.

All inputs and outputs can work with audio, CV and digital signals.

Inputs and Outputs are -10V to +10V compatibles.

The yellow LEDs by the Jack Sockets show where to plug the cables when loading patch.



BACK PANEL of ASR501 MATRIX 428



Power Consumption: -12V / N/A mA, +12V / N/A mA, +5V1 / N/A mA, +5V2 / N/A mA,
System Connector: ASCON-20 (Use only Adamsynths ASR-PSU & ASR-RAILS for this module.)
Module Dimension: 20HP / Depth: 33mm, Module Weight: N/A g

SAFETY AND WARRANTY GUIDELINES

Please follow the instructions below regarding the use of Adamsynths™ devices, as only these ensure proper operation and the validity of the Adamsynths™ warranty.

- Use Adamsynths™ modules exclusively with the power supply (ASR-PSU) and rails (ASR-RAILS) provided with the Adamsynths™ system. Using power supplies or rails from other manufacturers may result in malfunction or permanent damage.
- No liquid substances (such as water or alcohol) or solid, conductive materials may enter the Adamsynths™ modules, as these may cause electrical short circuits or permanent damage. If this occurs, immediately disconnect the device from power and contact us via the SUPPORT page at www.adamsynths.com.
- Never attempt to repair the device or modify, delete, or hack the control firmware or software, as these actions will result in immediate loss of warranty.
- Do not expose Adamsynths™ modules to temperatures above +40°C or below -10°C. If the device has been transported at a temperature lower than room temperature, allow it to acclimate until all moisture has evaporated. This may take several hours. Only then should you connect it to power and begin operation.
- Always transport Adamsynths™ modules with care. Never allow them to fall or tip over. The warranty does not cover visually damaged products.
- Modules must be transported only in their original packaging. Products returned for replacement and/or warranty repair must be sent in their original packaging. All other shipments will be rejected and returned to you. Please ensure you retain the original packaging and technical documentation.

Adamsynths™ modules may become warm during several hours of operation – this is normal and not a cause for concern.

CLEANING AND MAINTENANCE: Clean the device daily. Always use a dusting brush and a soft, dry or slightly damp, non-abrasive cloth. Then wipe the device with a soft, dry cloth. Never use alcohol, benzene, thinner, acetone, or other solvents, nor alkaline or acidic cleaning agents, as these may cause discoloration or deformation.

WASTE DISPOSAL: Adamsynths™ devices comply with EU directives and are manufactured without the use of lead, mercury, cadmium, or chromium. They meet RoHS requirements. Nevertheless, these products are considered special waste and should not be disposed of with household waste.

Copying, distributing, or using the user manual for any commercial purpose is strictly prohibited and requires written permission from Adamsynths™. Specifications are subject to change without prior notice.

If you have any questions, feel free to contact us via the SUPPORT page at www.adamsynths.com/support

Detailed safety and warranty information is available at www.adamsynths.com/support.

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